



Lewis Research Center

NGST

EELV-Medium

- **Performance**

- Requirement: 3850 kg to GTO
- Estimated equivalent capabilities:
 - Escape ($C3 = 0 \text{ km}^2/\text{sec}^2$): >2800 kg
 - 1 AU x 3 AU ($C3 = 45 \text{ km}^2/\text{sec}^2$): >1000 kg
 - 1 AU x 5 AU ($C3 = 77 \text{ km}^2/\text{sec}^2$): <300 kg

- **Fairing/Payload Envelope**

- Atlas equivalent fairing requirement

- **Fairing Growth Plans**

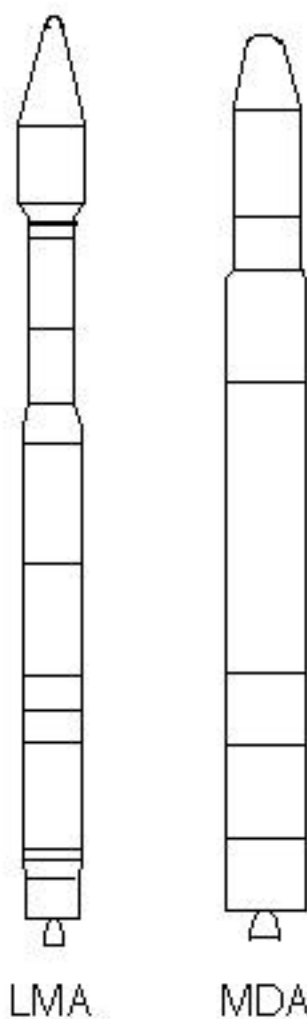
- Growth to 5 m class fairings may be considered

- **Launch Availability**

- CCAFS
- ILC: 2002

- **Basic Launch Service Cost**

- Cost to deliver entire EELV mission model is targeted for 50% of current cost



<http://www.mdc.com/version2/space/delta4.htm>
<http://www.lmco.com/Astro/products/advancedLaunch/home.html>

Launch Services & Transportation Projects Office